

## CLAIMS

1. Hearing aid with anti feedback system and comprising:
- 5       • a signal path from at least one input transducer to an output transducer,
  - a signal processing unit,
  - acoustic environment detection means,
  - means for generating input to the setting of signal processing parameters to be  
10       used in the signal processing unit based on either manual input or output from the  
      acoustic environment detection means,
  - means for generating an alert signal to the anti feed back system whenever one or  
      more preselected input to the generation of signal processing parameters  
      undergoes changes.
- 15   2. Hearing aid as claimed in claim 1, where one of the preselected input to the  
      generation of signal processing parameters relates to processing of a directional  
      characteristic of signals received from two or more microphones.
- 20   3. Hearing aid as claimed in claim 1, wherein the hearing aid comprise at least two  
      different programs, and has means for automatic shifting between the programs  
      based on the environment detection, where one of the preselected input to the  
      generation of signal processing parameters relates to the automatic or manual  
      selection of a programme.

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